

ABSTRACT OF THE DISCLOSURE

A spring element used in a temporary package for testing semiconductors is provided. The spring element is compressed so as to press the semiconductor, either in the form of a bare semiconductor die or as part of a package, against an interconnect structure. The spring element is configured so that it provides sufficient pressure to keep the contacts on the semiconductor in electrical contact with the interconnect structure. Material is added and/or removed from the spring element so that it has the desired modulus of elasticity. The shape of the spring element may also be varied to change the modulus of elasticity, the spring constant, and the force transfer capabilities of the spring element. The spring element also includes conductive material to increase the thermal and electrical conductivity of the spring element.

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